

**TDMS No.** 97008 - 05

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)  
WITH AVERAGE SEVERITY GRADES[b]**

**Date Report Reqsted:** 08/09/2006

**Test Type:** CHRONIC

PROPARGYL ALCOHOL

**Time Report Reqsted:** 14:01:40

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**CAS Number:** 107-19-7

**First Dose M/F:** 10/01/01 / 10/01/01

**Species/Strain:** RATS/F 344

**Pathologist:** HARBO, S. - LIEUALLAN, W.

**Lab:** BNW

F1\_R2

**C Number:** C97008

**Lock Date:** 08/16/2004

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25021 TSAC 25020 NATD 25019 MSAC

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	20	19	26	30
Natural Death	2	8	9	4
Survivors				
Moribund Sacrifice	1			
Terminal Sacrifice	26	23	15	16
Animals Examined Microscopically	49	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Intestine Large, Colon	(47)	(46)	(45)	(49)
Artery, Inflammation, Chronic Active	1 [2.0]			
Intestine Large, Rectum	(47)	(47)	(46)	(50)
Edema	1 [3.0]			
Inflammation, Suppurative	1 [1.0]			
Intestine Small, Jejunum	(46)	(45)	(45)	(48)
Liver	(49)	(50)	(50)	(50)
Angiectasis	1 [1.0]	3 [2.3]		
Basophilic Focus	7	18	15	4
Clear Cell Focus	10	13	9	4
Degeneration, Cystic	3 [1.7]	1 [2.0]	1 [2.0]	2 [2.0]
Eosinophilic Focus	2	4	2	5
Hematopoietic Cell Proliferation	1 [1.0]	1 [2.0]	1 [2.0]	
Hemorrhage			1 [3.0]	
Hepatodiaphragmatic Nodule		5 [4.0]	2 [4.0]	1 [4.0]
Inflammation, Granulomatous			1 [2.0]	
Inflammation, Chronic Active	1 [2.0]		1 [2.0]	
Mixed Cell Focus	2	4	5	3
Necrosis	1 [1.0]	2 [2.0]	2 [3.0]	2 [2.5]
Vacuolization Cytoplasmic	7 [2.9]	5 [2.6]	3 [2.7]	3 [3.3]
Centrilobular, Degeneration	1 [2.0]			1 [3.0]
Hepatocyte, Regeneration				2 [3.5]
Mesentery	(11)	(14)	(7)	(3)
Necrosis	10 [2.9]	14 [3.0]	7 [3.0]	2 [3.0]
Thrombosis				1 [4.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Artery, Inflammation, Chronic Active	1 [3.0]			
Oral Mucosa	(0)	(1)	(1)	(0)
Pancreas	(49)	(50)	(50)	(50)
Acinus, Atrophy	24 [2.0]	21 [1.9]	22 [2.1]	26 [1.9]
Acinus, Hyperplasia	3 [3.3]	1 [2.0]	1 [2.0]	1 [2.0]
Duct, Necrosis			1 [3.0]	
Salivary Glands	(49)	(50)	(50)	(50)
Stomach, Forestomach	(49)	(50)	(50)	(50)
Edema	1 [3.0]			
Erosion		1 [3.0]		1 [1.0]
Hyperplasia, Squamous		3 [2.0]	3 [2.0]	
Inflammation, Chronic			1 [2.0]	
Ulcer	4 [3.0]	3 [2.0]	3 [1.7]	2 [3.5]
Stomach, Glandular	(49)	(50)	(50)	(50)
Erosion	4 [2.0]	2 [2.0]	5 [2.0]	3 [2.3]
Ulcer	5 [2.6]		1 [3.0]	4 [2.5]
Tongue	(1)	(0)	(2)	(1)
CARDIOVASCULAR SYSTEM				
Heart	(49)	(50)	(50)	(50)
Cardiomyopathy	44 [1.7]	44 [2.1]	44 [2.2]	43 [2.1]
Atrium, Thrombosis	3 [3.7]	6 [3.2]	8 [3.0]	5 [3.8]
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Degeneration, Cystic	1 [4.0]			
Hematopoietic Cell Proliferation	1 [1.0]			
Hyperplasia	19 [1.8]	23 [2.1]	27 [2.1]	28 [1.9]
Hypertrophy	1 [2.0]			
Thrombosis			1 [2.0]	
Vacuolization Cytoplasmic	11 [2.1]	8 [1.8]	9 [2.0]	7 [1.4]
Subcapsular, Hyperplasia	1 [1.0]			
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	15 [2.1]	19 [2.2]	21 [1.8]	18 [2.1]
Infiltration Cellular, Lymphocyte	1 [1.0]			
Islets, Pancreatic	(49)	(50)	(50)	(50)
Hyperplasia	1 [3.0]	5 [2.2]	1 [2.0]	1 [2.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

**Test Type:** CHRONIC

PROPARGYL ALCOHOL

**Time Report Requested:** 14:01:40**Route:** RESPIRATORY EXPOSURE WHOLE BODY**CAS Number:** 107-19-7**First Dose M/F:** 10/01/01 / 10/01/01**Species/Strain:** RATS/F 344**Pathologist:** HARBO, S. - LIEUALLEN, W.**Lab:** BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Parathyroid Gland	(47)	(44)	(49)	(50)
Hyperplasia		2 [1.5]		
Pituitary Gland	(49)	(50)	(50)	(50)
Hemorrhage		1 [2.0]	3 [4.0]	
Pars Distalis, Hyperplasia	8 [2.6]	6 [2.3]	6 [1.7]	13 [2.3]
Pars Intermedia, Cyst				1
Thyroid Gland	(49)	(50)	(50)	(50)
Cyst		1		
C-cell, Hyperplasia	8 [2.6]	6 [2.3]	15 [2.1]	12 [2.2]
Follicular Cell, Hyperplasia		1 [3.0]		1 [2.0]
GENERAL BODY SYSTEM				
Peritoneum	(1)	(0)	(0)	(0)
Tissue NOS	(1)	(0)	(0)	(0)
GENITAL SYSTEM				
Coagulating Gland	(0)	(0)	(1)	(0)
Inflammation, Suppurative			1 [3.0]	
Epididymis	(49)	(50)	(50)	(50)
Penis	(0)	(0)	(0)	(1)
Inflammation, Suppurative				1 [2.0]
Preputial Gland	(49)	(49)	(50)	(49)
Cyst			1	
Hyperplasia				2 [3.0]
Inflammation, Chronic Active	18 [1.3]	12 [2.0]	11 [1.4]	12 [1.8]
Necrosis				1 [3.0]
Prostate	(49)	(50)	(50)	(50)
Hyperplasia	9 [2.0]	2 [2.0]	10 [2.0]	8 [2.0]
Inflammation, Suppurative	31 [1.9]	41 [1.8]	36 [2.0]	34 [1.8]
Inflammation, Chronic Active	4 [2.8]		1 [4.0]	2 [3.0]
Seminal Vesicle	(49)	(50)	(50)	(50)
Hyperplasia	1 [3.0]			
Testes	(49)	(50)	(50)	(50)
Germinal Epithelium, Atrophy	6 [3.8]	3 [3.3]	3 [3.3]	4 [3.5]
Interstitial Cell, Hyperplasia	4 [2.0]	4 [1.8]	7 [1.7]	5 [1.6]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(49)	(50)	(50)	(50)
Myelofibrosis		1 [2.0]		
Erythroid Cell, Hyperplasia		1 [3.0]	2 [3.5]	1 [4.0]
Lymph Node	(5)	(3)	(7)	(8)
Deep Cervical, Hemorrhage	1 [2.0]	1 [3.0]	1 [3.0]	
Deep Cervical, Hyperplasia, Lymphoid	1 [3.0]			
Pancreatic, Angiectasis	2 [3.5]			2 [3.0]
Pancreatic, Infiltration Cellular, Histiocyte			1 [2.0]	
Lymph Node, Bronchial	(6)	(4)	(8)	(7)
Angiectasis	1 [3.0]		2 [3.0]	
Hemorrhage			1 [3.0]	
Hyperplasia, Lymphoid	1 [3.0]	2 [2.5]	1 [2.0]	
Lymph Node, Mandibular	(0)	(1)	(1)	(0)
Hyperplasia, Lymphoid		1 [2.0]		
Lymph Node, Mediastinal	(24)	(24)	(24)	(26)
Angiectasis		1 [3.0]		
Hemorrhage		1 [3.0]		
Hyperplasia, Lymphoid	3 [3.0]	1 [2.0]	3 [3.0]	2 [3.5]
Infiltration Cellular, Histiocyte	1 [3.0]			
Inflammation, Chronic Active		1 [3.0]		
Lymph Node, Mesenteric	(49)	(50)	(50)	(49)
Angiectasis	1 [1.0]			
Ectasia	1 [3.0]			
Hemorrhage	1 [3.0]			
Hyperplasia, Lymphoid	1 [3.0]		2 [4.0]	
Infiltration Cellular, Histiocyte	9 [2.1]	5 [2.0]	5 [2.6]	3 [2.3]
Spleen	(49)	(50)	(49)	(49)
Angiectasis			1 [4.0]	
Hematopoietic Cell Proliferation	8 [3.0]	10 [2.1]	5 [3.0]	8 [2.9]
Hemorrhage			1 [3.0]	
Hemorrhage, Chronic	1 [2.0]	3 [3.3]	2 [4.0]	
Hyperplasia, Lymphoid, Focal	1 [4.0]			
Hyperplasia, Lymphoid			2 [3.0]	
Infarct			1	
Thymus	(47)	(43)	(46)	(45)
Cyst				1

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
INTEGUMENTARY SYSTEM				
Mammary Gland	(30)	(29)	(28)	(34)
Galactoceles		1 [4.0]	1 [4.0]	3 [4.0]
Inflammation, Suppurative	1 [1.0]			
Skin	(49)	(50)	(50)	(50)
Cyst Epithelial Inclusion	2 [3.5]		3 [4.0]	
Ulcer	5 [2.8]	1 [4.0]	2 [3.0]	1 [3.0]
Subcutaneous Tissue, Fibrosis	1 [4.0]			
Subcutaneous Tissue, Inflammation	1 [4.0]			
MUSCULOSKELETAL SYSTEM				
Bone	(49)	(50)	(50)	(50)
Hyperostosis		1 [3.0]	1 [3.0]	
NERVOUS SYSTEM				
Brain	(49)	(50)	(50)	(50)
Compression	10 [3.1]	9 [2.4]	18 [2.7]	9 [2.9]
Hemorrhage		1 [2.0]	3 [2.3]	2 [2.5]
Necrosis	1 [3.0]	1 [2.0]	1 [2.0]	2 [3.0]
Thrombosis				1 [2.0]
RESPIRATORY SYSTEM				
Larynx	(48)	(50)	(50)	(50)
Foreign Body	2	3	1	
Inflammation, Chronic Active	3 [2.0]			
Metaplasia, Squamous	1 [1.0]		1 [3.0]	
Lung	(49)	(50)	(50)	(50)
Foreign Body	1			
Hemorrhage		1 [2.0]	3 [2.3]	2 [3.5]
Inflammation		1 [2.0]		2 [2.5]
Thrombosis			1 [2.0]	1 [3.0]
Alveolar Epithelium, Hyperplasia	8 [2.4]	12 [2.5]	11 [2.1]	7 [2.1]
Alveolar Epithelium, Metaplasia, Squamous	2 [1.0]	1 [2.0]		1 [4.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Alveolus, Infiltration Cellular, Histiocyte	4 [1.8]	1 [2.0]		1 [2.0]
Nose	(49)	(49)	(50)	(49)
Foreign Body	7	8	6	8
Hemorrhage				1 [2.0]
Inflammation, Suppurative	1 [1.0]	1 [2.0]		
Inflammation, Chronic Active	9 [2.1]	12 [1.8]	22 [2.0]	28 [1.9]
Glands, Olfactory Epithelium, Hyperplasia				4 [1.8]
Glands, Respiratory Epithelium, Hyperplasia	3 [1.3]	14 [1.3]	39 [1.6]	45 [1.9]
Olfactory Epithelium, Accumulation, Hyaline Droplet		5 [1.0]	4 [1.3]	7 [1.6]
Olfactory Epithelium, Atrophy	1 [3.0]	21 [2.6]	26 [2.9]	26 [2.5]
Olfactory Epithelium, Degeneration			1 [1.0]	7 [1.3]
Olfactory Epithelium, Hyperplasia		1 [1.0]	3 [2.0]	5 [1.2]
Olfactory Epithelium, Hyperplasia, Basal Cell		19 [1.0]	42 [1.4]	42 [1.7]
Olfactory Epithelium, Metaplasia, Respiratory	1 [2.0]	10 [1.8]	18 [1.9]	29 [2.0]
Olfactory Epithelium, Necrosis			2 [2.0]	6 [1.3]
Respiratory Epithelium, Hyperplasia	5 [2.2]	21 [1.6]	44 [1.9]	42 [2.5]
Respiratory Epithelium, Metaplasia, Squamous	2 [2.5]	2 [1.5]	2 [1.5]	4 [1.5]
Pleura	(0)	(1)	(0)	(0)
SPECIAL SENSES SYSTEM				
Ear	(1)	(0)	(0)	(0)
Eye	(49)	(50)	(50)	(50)
Inflammation, Chronic Active			1 [1.0]	
Cornea, Mineralization	1 [1.0]			
Lens, Cataract	1 [3.0]	3 [3.0]	2 [2.5]	
Zymbal's Gland	(0)	(1)	(0)	(0)
URINARY SYSTEM				
Kidney	(49)	(50)	(50)	(50)
Cyst	1	2	3	2
Infarct	1	1	2	

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Inflammation, Suppurative	1 [4.0]	2 [2.5]	2 [2.0]	1 [3.0]
Nephropathy, Chronic	42 [2.2]	47 [2.3]	48 [2.4]	48 [2.4]
Transitional Epithelium, Infarct			1	
Urinary Bladder	(49)	(50)	(50)	(50)
Edema				1 [2.0]
Inflammation, Chronic	1 [2.0]		1 [1.0]	
Transitional Epithelium, Hyperplasia	1 [1.0]			

\*\*\* END OF MALE \*\*\*



Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	18	16	19	19
Natural Death	3	3	4	5
Survivors				
Natural Death		1		
Terminal Sacrifice	29	30	27	26
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(48)	(48)	(47)	(46)
Ulcer		1 [3.0]		
Serosa, Inflammation	1 [3.0]			
Intestine Large, Colon	(48)	(48)	(47)	(47)
Serosa, Inflammation	1 [3.0]			
Intestine Small, Duodenum	(49)	(50)	(48)	(47)
Serosa, Inflammation	1 [3.0]			
Intestine Small, Ileum	(48)	(48)	(46)	(46)
Intestine Small, Jejunum	(48)	(48)	(47)	(46)
Liver	(50)	(50)	(50)	(50)
Angiectasis		4 [2.5]	1 [1.0]	1 [3.0]
Basophilic Focus	37	36	40	31
Clear Cell Focus	6	6	7	7
Eosinophilic Focus		2	3	3
Fibrosis	1 [2.0]			
Hepatodiaphragmatic Nodule	3 [4.0]	2 [3.5]	5 [3.6]	2 [4.0]
Inflammation, Granulomatous	1 [3.0]			
Inflammation, Chronic Active	1 [2.0]		2 [2.0]	1 [2.0]
Mixed Cell Focus	5	4	4	12
Necrosis		1 [3.0]		2 [2.0]
Vacuolization Cytoplasmic	8 [2.0]	3 [2.3]	3 [2.3]	4 [2.3]
Centrilobular, Necrosis	1 [3.0]			1 [2.0]
Oval Cell, Hyperplasia				1 [1.0]
Mesentery	(13)	(12)	(10)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Necrosis	13 [2.9]	12 [2.9]	10 [2.9]	9 [3.0]
Oral Mucosa	(1)	(0)	(2)	(1)
Foreign Body	1		1	
Ulcer			1 [3.0]	
Pancreas	(50)	(50)	(50)	(50)
Inflammation	1 [4.0]			
Acinus, Atrophy	6 [1.8]	9 [1.6]	11 [1.8]	14 [1.5]
Acinus, Inflammation, Chronic				1 [1.0]
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Necrosis				1 [2.0]
Ulcer	3 [2.7]	5 [2.8]	1 [3.0]	2 [2.5]
Epithelium, Hyperplasia	1 [3.0]	1 [3.0]		1 [2.0]
Serosa, Inflammation	1 [2.0]			
Stomach, Glandular	(49)	(50)	(50)	(48)
Erosion	3 [2.0]	1 [2.0]	1 [2.0]	3 [1.7]
Ulcer	1 [2.0]		1 [1.0]	1 [1.0]
Serosa, Inflammation	1 [2.0]			
Tongue	(0)	(0)	(2)	(1)
Inflammation, Granulomatous, Chronic				1 [3.0]
Active				
Epithelium, Hyperplasia			1 [2.0]	
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	43 [2.0]	45 [2.1]	42 [2.0]	42 [2.1]
Atrium, Thrombosis	2 [3.0]		2 [3.5]	4 [3.5]
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Angiectasis	3 [2.7]			
Degeneration, Cystic			1 [2.0]	2 [2.5]
Hemorrhage				1 [2.0]
Hyperplasia	28 [2.3]	23 [2.2]	22 [2.0]	21 [2.2]
Necrosis	1 [4.0]	1 [3.0]		
Vacuolization Cytoplasmic	3 [2.0]	3 [2.3]	1 [3.0]	4 [2.3]
Adrenal Medulla	(50)	(50)	(50)	(50)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Hyperplasia	5 [2.0]	7 [1.7]	3 [1.3]	2 [1.5]
Necrosis	1 [2.0]			
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	1 [2.0]	4 [2.0]	4 [2.5]	
Parathyroid Gland	(49)	(47)	(50)	(47)
Pituitary Gland	(50)	(50)	(50)	(50)
Hemorrhage	1 [4.0]	5 [3.4]	2 [2.0]	3 [2.3]
Pars Distalis, Cyst	4	2	3	
Pars Distalis, Hyperplasia	11 [2.5]	5 [2.2]	6 [2.0]	9 [2.6]
Thyroid Gland	(50)	(50)	(50)	(50)
C-cell, Hyperplasia	21 [2.1]	16 [2.3]	18 [1.9]	18 [2.4]
GENERAL BODY SYSTEM				
Tissue NOS	(1)	(0)	(1)	(0)
Fat, Inflammation, Chronic	1 [2.0]			
GENITAL SYSTEM				
Clitoral Gland	(50)	(49)	(49)	(47)
Cyst	1		1	
Hyperplasia	4 [2.3]	4 [2.3]	4 [2.0]	5 [2.4]
Inflammation, Suppurative			1 [2.0]	1 [2.0]
Inflammation, Chronic Active	8 [1.4]	4 [1.3]	9 [1.7]	5 [1.6]
Ovary	(50)	(50)	(50)	(50)
Cyst	6	5	6	8
Inflammation	1 [4.0]			
Interstitial Cell, Hyperplasia	5 [2.8]	8 [2.8]	3 [2.7]	6 [2.8]
Uterus	(50)	(50)	(50)	(50)
Angiectasis			1 [3.0]	
Cyst			1	
Decidual Reaction			1 [4.0]	
Dilatation			1 [4.0]	
Fibrosis	1 [3.0]	1 [2.0]		1 [2.0]
Hemorrhage	1 [4.0]	2 [4.0]	3 [3.7]	1 [4.0]
Inflammation, Chronic Active				1 [2.0]
Endometrium, Hyperplasia, Cystic	3 [2.0]	3 [1.3]	8 [1.5]	5 [1.6]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Erythroid Cell, Hyperplasia	1 [3.0]	3 [3.0]	4 [3.0]	1 [3.0]
Lymph Node	(4)	(0)	(3)	(3)
Deep Cervical, Angiectasis				1 [3.0]
Pancreatic, Angiectasis			1 [2.0]	
Lymph Node, Bronchial	(4)	(2)	(4)	(10)
Angiectasis			1 [2.0]	1 [3.0]
Hyperplasia, Lymphoid				2 [2.0]
Lymph Node, Mediastinal	(29)	(27)	(30)	(25)
Angiectasis			1 [4.0]	
Hyperplasia, Lymphoid			1 [3.0]	
Infiltration Cellular, Histiocyte	1 [2.0]	1 [3.0]		
Lymph Node, Mesenteric	(49)	(50)	(49)	(50)
Angiectasis	1 [1.0]	1 [3.0]		1 [2.0]
Hemorrhage		1 [2.0]		
Hyperplasia, Lymphoid	2 [2.0]			
Infiltration Cellular, Histiocyte	9 [2.0]	9 [2.1]	3 [2.0]	4 [2.0]
Spleen	(50)	(50)	(50)	(49)
Accessory Spleen	1			
Hematopoietic Cell Proliferation	21 [2.3]	26 [2.4]	22 [2.3]	17 [2.1]
Hemorrhage, Chronic	1 [4.0]			1 [4.0]
Capsule, Fibrosis		1 [1.0]		1 [2.0]
Thymus	(46)	(45)	(47)	(48)
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(50)
Galactoceles	2 [4.0]	1 [4.0]	2 [3.5]	1 [2.0]
Hyperplasia	1 [2.0]			
Inflammation, Chronic Active	1 [4.0]			
Epithelium, Hyperplasia			1 [2.0]	1 [2.0]
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion	1 [2.0]			1 [3.0]
Inflammation, Granulomatous				1 [2.0]
Ulcer	1 [4.0]	1 [2.0]	1 [3.0]	
Subcutaneous Tissue, Hemorrhage				1 [4.0]
Subcutaneous Tissue, Inflammation	1 [2.0]			

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hyperostosis		1 [3.0]		
Nasal, Inflammation, Chronic Active				1 [2.0]
Skeletal Muscle	(2)	(0)	(1)	(0)
Fat, Necrosis	1 [3.0]			
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Compression	6 [2.7]	11 [2.8]	4 [2.8]	9 [3.0]
Hemorrhage	2 [2.0]			2 [2.0]
Inflammation, Suppurative				1 [2.0]
Inflammation, Chronic Active	1 [3.0]			
Necrosis				1 [2.0]
RESPIRATORY SYSTEM				
Larynx	(50)	(50)	(50)	(50)
Foreign Body	2	3	2	6
Inflammation, Chronic Active		1 [3.0]		3 [2.3]
Metaplasia, Squamous	1 [2.0]			2 [3.0]
Lung	(50)	(50)	(50)	(50)
Foreign Body				1
Hemorrhage			1 [2.0]	
Inflammation	1 [2.0]			
Inflammation, Suppurative				1 [4.0]
Alveolar Epithelium, Hyperplasia	7 [1.7]	12 [2.2]	13 [1.8]	5 [1.6]
Alveolar Epithelium, Metaplasia, Squamous			1 [2.0]	
Alveolus, Infiltration Cellular, Histiocyte	3 [2.0]	3 [2.3]	1 [2.0]	2 [2.0]
Nose	(49)	(49)	(50)	(50)
Foreign Body	1	4	4	6
Inflammation, Suppurative			1 [1.0]	
Inflammation, Chronic Active	7 [1.6]	9 [1.7]	11 [1.4]	18 [1.6]
Epithelium, Nasolacrimal Duct,	1 [2.0]			

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLAN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Hyperplasia				
Glands, Olfactory Epithelium,		6 [1.2]	1 [1.0]	2 [1.0]
Hyperplasia				
Glands, Respiratory Epithelium,	2 [1.5]	33 [1.2]	44 [1.5]	47 [1.5]
Hyperplasia				
Nasolacrimal Duct, Inflammation, Chronic	3 [2.0]	1 [2.0]		
Active				
Olfactory Epithelium, Accumulation,	6 [1.5]	5 [1.4]	6 [1.5]	15 [1.4]
Hyaline Droplet				
Olfactory Epithelium, Atrophy	3 [2.3]		28 [2.8]	37 [2.9]
Olfactory Epithelium, Degeneration			1 [2.0]	4 [2.0]
Olfactory Epithelium, Hyperplasia				1 [3.0]
Olfactory Epithelium, Hyperplasia, Basal		28 [1.0]	42 [1.6]	48 [1.9]
Cell				
Olfactory Epithelium, Metaplasia,	3 [1.7]	2 [2.0]	7 [1.4]	17 [1.8]
Respiratory				
Olfactory Epithelium, Metaplasia,				1 [2.0]
Squamous				
Olfactory Epithelium, Necrosis			2 [2.0]	5 [1.6]
Respiratory Epithelium, Hyperplasia	2 [2.0]	23 [1.5]	25 [1.7]	36 [1.8]
Respiratory Epithelium, Metaplasia,		1 [2.0]		4 [1.0]
Squamous				
SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(50)	(50)
Inflammation, Suppurative	1 [1.0]			
Lens, Cataract	4 [2.8]	5 [3.0]	8 [3.0]	3 [2.3]
Zymbal's Gland	(0)	(0)	(2)	(1)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(49)
Infarct	1	1		1
Inflammation, Suppurative				1 [2.0]
Nephropathy, Chronic	40 [1.8]	46 [1.9]	41 [1.7]	44 [1.7]
Bilateral, Hydronephrosis			1 [2.0]	
Pelvis, Transitional Epithelium,			1 [2.0]	
Hyperplasia				

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

TDMS No. 97008 - 05

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)  
WITH AVERAGE SEVERITY GRADES[b]**

**Date Report Reqsted:** 08/09/2006

**Test Type:** CHRONIC

PROPARGYL ALCOHOL

**Time Report Reqsted:** 14:01:40

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**CAS Number:** 107-19-7

**First Dose M/F:** 10/01/01 / 10/01/01

**Species/Strain:** RATS/F 344

**Pathologist:** HARBO, S. - LIEUALLAN, W.

**Lab:** BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Urinary Bladder	(49)	(50)	(50)	(49)

\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)